# MAY, 31, 1954 WEEK 50 mm







# It takes two kinds of care to make a gyro right

 $T_{
m comes}^{
m HE}$  care it takes to make a better gyro comes in two varieties. One is the visible kind

You see plenty of that in the photos of the Honeywell gyro operation shown here. It's hard to over-stress its importance when the quality of such a delicate mechanism is at stake.

Another is the kind you can't see. This includes such things as rigid control of temperature, humidity and purity of air in all our gyro rooms. It most certainly includes the unexcelled training of our engineers and production workers. The thoroughness of our design, development and production methods is also of significant impor-

Both kinds of care have helped Honeywell become the nation's leading producer of precision gyros. The complete Honeywell gyro line includes the Cage-

able Vertical Gyro, and many other Vertical and Rate Gyros-including the Hermetic Integrating Gyro, the world's The Honeywell gyro line is but a part most sensitive.

of our complete line of airborne controls. This line is continually expanding, as we make new discoveries and learn of new needs. Automatic control is important to aviation's progress, and automatic control is Honeywell's business.

# Honeywell

Aeronautical Division



2600 Ridgway Road, Minneapolis







# What's so DIFFERENT

about HY-W \* Fuel Booster Pumps ?

#### It's not the sump-it's the principle!

Other fuel become purery attempt to senarate the vanor from bod-

In other words, the HY.V/s. Pursp is more efficient. It saves the That is why, in facts are level to 70,000 feet, the HV-V/: responmarre finel at more removing with less tween consumption. HV. V/1 performance for years to come In addition, HY. 7/1 Person have













EVERY FIGHTER EVERY ROMBER EVERY TRANSPORT IS HYDRO-AIRS ROUIPPED

B.F.Goodrich



#### "Two-way stretch" adds life to B. F. Goodrich shoe

B. F. Goodsch engineers so our to

other advantages. It can supply house show a books so flembidge, joyn as abased. to keen ice from forward, PPG house,

#### Elastic properties of AIRCORD at your fingertips!



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#### Aviation Week MAY TI 1956

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Alabase W. Jones



#### SAVES WEIGHT, SPACE, MONEY... New Two-in-One Air Flow Valve!

weight, highly efficient unit?

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**Financial** 

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AVIATION PRODUCTS

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First Production Learster Goes Aloft Depart for a normal craising enough of 100 mesh. the Leaves will undergo centification or a new layer incorport pilose. Among charges really faces absorbed and many natures, artestole beliebed and new modiles became \$1425 bp.

The transpage often has sommer Percy Freely NB, 5 effective is at voted to be a radio-controlled travel

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AMERICAN WITH, May 31, 1954

The Aviation Week

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Bette Street Str





New U. S., British Jets In the Military Lineup

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#### HELICOPTER OR DC-7



#### FLIES CHAMPION SPARK PLUGS "ACROSS THE ROADD"

The healthy smooth of Noticeal Airhase in based on progressive service. stern. We feel the believeder madifice to

National's Schooler B-55 belongter where passengers from Massa laternational Agreet to West Pales Breets Minus and the operating more tracks Serve C. H. Colhoup, National's Vice-

AVMATIONES PAYMENTS CHAMPION



#### WHO'S WHERE

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#### Changes

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#### INDUSTRY OBSERVER

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\* Revol Consider Novy has accepted delensey on those Postedia HCP hellcuston. Based at December, New Scotts, they will be east on new Acutic County Electric is developing and mill produce hunted number of > Placeski is perposing to left the Accor's 4,300-lb. 105-man bowdner with the BJIC Work Hore. First step is to quality should for the believytes.

Sharky's 1649 has excited the 75-cam, suck however, verahing 1,475 lb. a new appropriate replace for all expenses of amount. Plants would be magned connecutive mumbers after a letter designation of its mission in a order complex to that word for set encountry. All Force would not odd manahous.

Computation of spine party requirements for the Borang B 52 necessitates IF USAF is cooking \$100 malbox for \$400 1995 for the readilization of incorre-

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. USAF is estimated about enducate the land time period in endering executi-

AVIATION WEEK Moscow's May Day Air Review

#### Reds' Surprise: 15,000-Lb.-Thrust Jets

85 New Jets

· Big sxial-flow engines indicate that Soviet gas turbine

development program may be ahead of U. S., Britain. · But observers say airframe design appears lauring. with new hambers definitely in the subsanic runge.

By Babert Hota ► Reds Confident-Source admitted of Reggest surprise of the 1954 Ressim Researchers, pt bember-comparable Vice Div on show over Moscow Proset in the Ken-The 10,000 in these Post & Whether Associate 157

Bobok do not have reflect of their the Bobol New Ast Force contracts for

Some of these capacs probably will and the cost F-987 interceptors.

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Schools Dates Commen of for

American design refluence Most conversed feature is the decrease to on USAF 8-29 (Pareter-1) and 8-53 book wing of extremely hard aspect rate Toper is so marked on this bomber that the wires almost came to satio, away box warn

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Nine of these betalen flow in the Moscow is recorded as a student effort



#### 707 Accident Delays Flight Several Weeks For fight of the new Bonne her at TET

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#### Missiles Get Top USAF Priority Intercontinental weapon development may be shifted

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McDonnell Sees New Complexity Problems

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RDSA Delays Buildup

Of Titanium Stockpile

West May 17, p 263

AMAZION WEEK Har 25, 1954

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8-47s New Use Two-Chute System

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Commerce Lifts Airport Aid Block

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ALT ANIMAM DELVE - WHITTIES, CALIFORNIA - ORFORD 64557

#### Senate Restores Cut In NACA Budget

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for NACA by a botal \$49 milion NACA roled the Sounds commettee to ► Construction Fund Law-NACA's faof 1955 opendions will be on a sub-558 mallion budget organisty proposed. Riggest redoctors is in the constair two popular. The \$4.6 million no.

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EXAMPLES OF PROFESSION APPOINTS







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AVAITON MISC May 31, 1954

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June 18 Deadline Set For C-46 Comments

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Cessna Gives "Wings" to Army Words



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#### The plant with a one-track mind...

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have over 3200 employers, over half a million square for of manufacturing area, and over 23% over at the Manusine Springer, Euffalo, New York,



EXPERIMENTAL ASSCRAPT TYPES

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Yours for the asking, the new books

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But this latest booklet! ...a new concept of

#### Vibration and Shock Control Special mass of Polymers off-metal

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#### AERONAUTICAL ENGINEERING

#### How Convair Idea Men Map the Future

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AIRCOOLED MOTORS, INC. CVEACUSE, N. Y.

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#### ENGINEERING FORUM-



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ENGINEERING FORUM

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#### THRUST & DRAG A serie speciarly to English for each

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Problems Middies Markhous on the Wests

4735 West 67th Street, Chicago 25, Ellinais

\$0% of all the constance welding in airfrance fabrication is done on Brooky machines. The Scithy Type ST webby shown about in one of many at Baraddia.

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# **NEW CAPACITY** for aviation's precision needs



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Today Lear is one of the largest producers in the world of automatic flight stalnization equipment, aircraft pumps, aircraft radia, electronic invigational devices, aircraft instruments, gyros, and aircraft electro-

Lear, Iscorporated, Executive Offices, 3273. South Brudy Dave, Suss Monica, Galderini, Grand Bagale, Divinium, 110 Ionia Avenue, N.W., Grand Bagdis E, Michigan, Leardo Division, 11916 Wort Fice Bendword, Lea Angeles 64, California, Lear Bonner Decision, Abber Boad, Blytte, Olinia Aircraft Service Division, Susta Mories Minniegal Ampert, Coal Romin, and Grand Engols Monicipal Ampert, Coal Ragids, Methsgan, Benstein and Development Division, 3172.





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# 21,000 tons

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#### PRODUCTION BRIEFING

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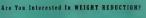




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New Power Supplies Put on Market

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#### LETTERS

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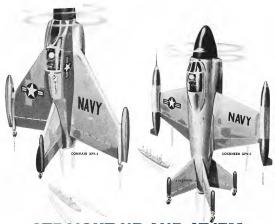
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# STRAIGHT UP AND AT'EM

#### U. S. Navy VTO Fighters powered by ALLISON Turbo-Prop Engines

HERE you see the Navy's approach to the problem of providing protection for wartime convoys—two revolutionary new interceptors that take off vertically and can operate from the deck of a freighter or from any ship the size of a destroyer.

Both the Convair XFY-1 and the Lockheed XFV-1 are powered by an Allison twin-power section Turbo-Prop engine delivering more than 5500 horsepower.

These new planes combine the take-off and landing features of a helicopter with the high-speed performance of a fighter plane. They require no runways, can land in a very small area. Without the dual rotation feature of the Allison T40 Turbo-Prop engine, flight control would be impossible during take-off and landing.

Now undergoing preliminary testing, these experimental VTO fighters are further evidence of the farsighted policy of the Bureau of Aeronautics in sponsoring Turbo-Prop development. Allison is proud to be supplying the engines for both of these planes—proud, too, of its leading role in the design and manufacture of this promising new type of aircraft power.

